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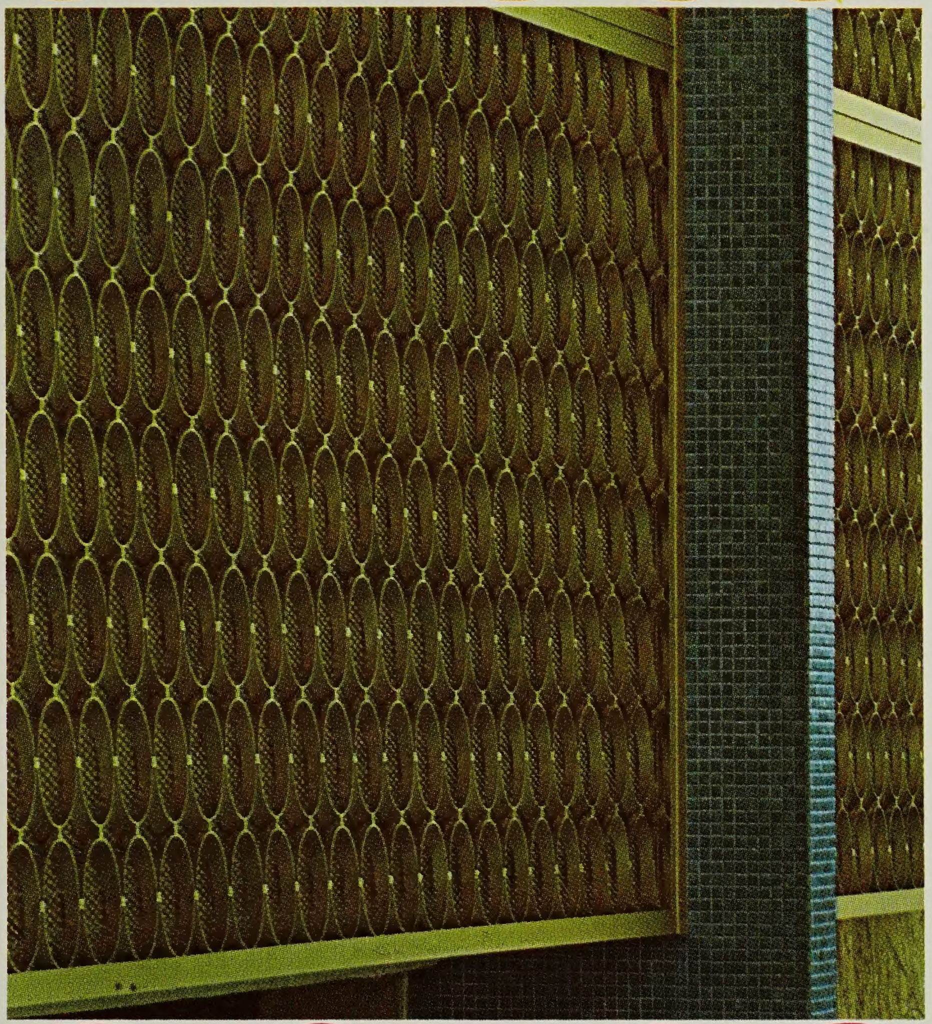
ARCHITECTURAL ALUMINUM SYSTEMS FOR DECORATING, SOLAR SCREENING AND MODERNIZATION

A.I.A. FILE DOC. FILE NO. 14-P

amcoa



ardec

AMCOA

**ARCHITECTURAL
MANUFACTURING
COMPANY OF AMERICA**

DIVISION OF SHOWER DOOR COMPANY OF AMERICA

SY4.-3383

P. O. Box 20202, Station N, Atlanta 25, Ga. Area Code 404 355-3550

REP. → W. J. GILMAN, INC. RM. 1406 415 LEXINGTON AV. N.Y.

A.I.A. FILE DOC. FILE NO. 14-P

ARCHITECTURAL ALUMINUM SYSTEMS FOR DECORATING, SOLAR SCREENING AND MODERNIZATION

ARDEC SOLAR SCREENS MI SYSTEM

MODULAR INTERLOCKING SYSTEM

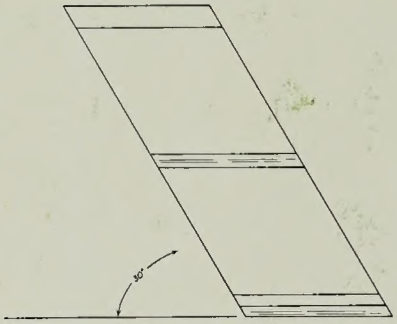
Customized facades to function as pure sun control are achieved with both excellent taste and variety through the Modular Interlocking System.

For sun screens as well as ornamentation, any desired degree of shading and visibility can be achieved by varying the thickness and angle cut of the modular component. Many new and unusual shapes and dimensions are created by the method of varying the angle cut and depth of the component.

Cost ranges—moderate to monumental applications (see page 12).

FIRST BAPTIST CHURCH, Pine Bluff, Arkansas
Architects: Reed & Willis, Pine Bluff, Arkansas

The MI System shown here is featured on the main entrance and in the face of the tower. AMCOA also furnished the 60 foot cross.

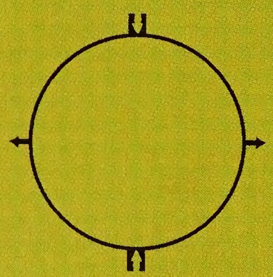


Standard angle cuts—15°, 30°, and 45°. Special angle cuts obtainable—60° maximum.

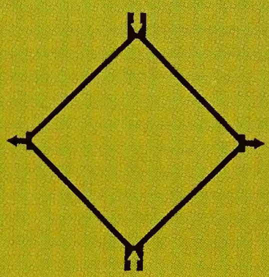
SIX BASIC SHAPES CREATE UNLIMITED COMBINATIONS

The modular components, cut from extrusions of four different geometric shapes, are the key to any desired ornamentation—a solution to any sun control problem. One, or a combination of any of the four shapes, can be used to create personalized patterns.

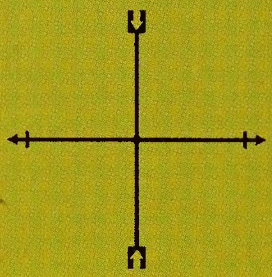
Elliptic shapes can be produced from the standard extrusion shapes by varying the angle of cut during fabrication. Other shapes available upon request.



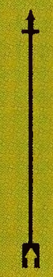
MI-601
6″



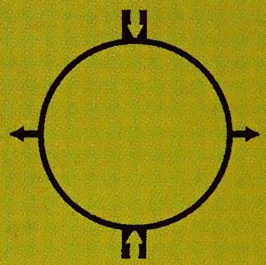
MI-602
6″



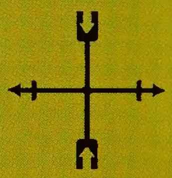
MI-603
6″



MI-604
6″



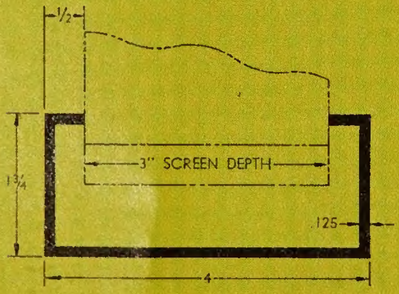
MI-401
4″



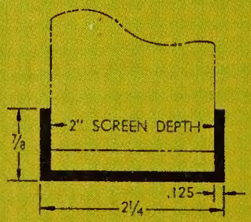
MI-303
3″

FRAMING SECTIONS

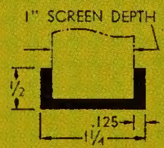
F-3 F-2 F-1 A-1 A-2 A-3



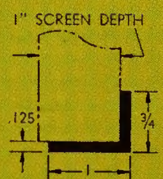
F-3



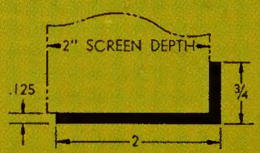
F-2



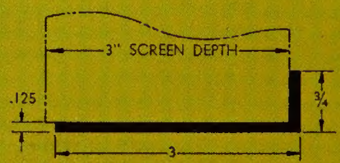
F-1



A-1

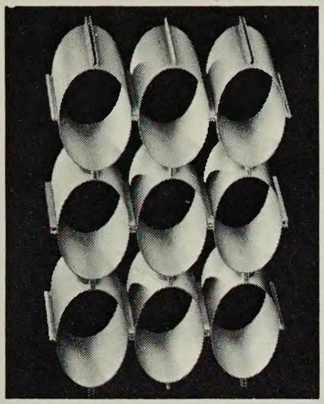


A-2

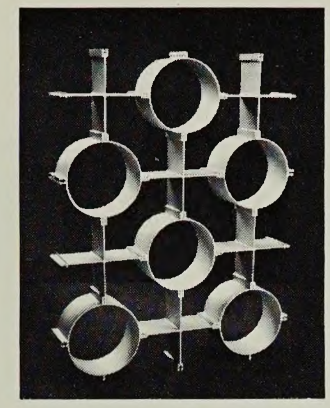


A-3

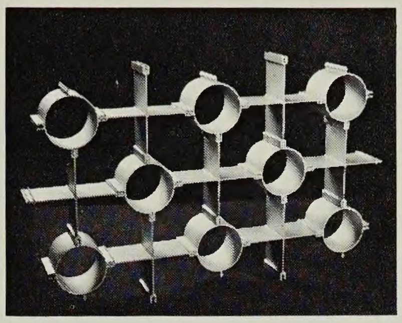
Below are pictured sample systems created by our staff of design engineers. Versatility is the key to the MI System. Designs are virtually limitless.



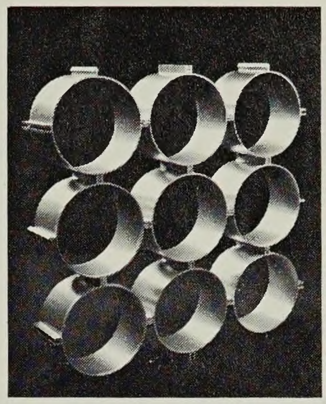
MI 601 (45°)



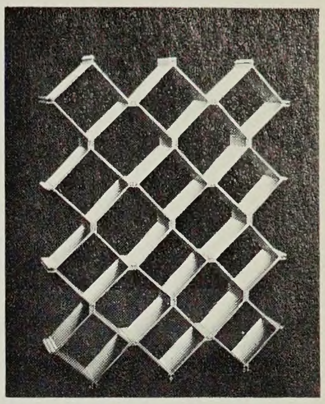
MI 601 & 603



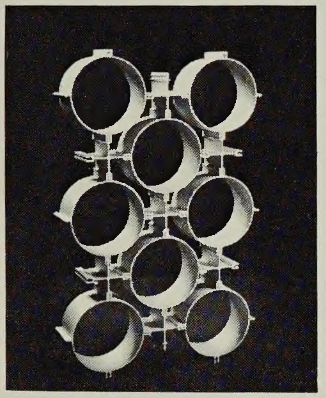
MI 603 & 401



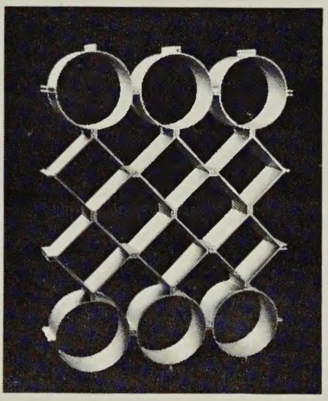
MI 601



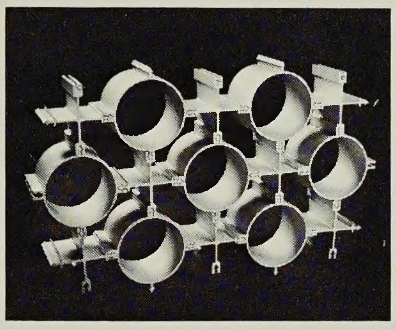
MI 602



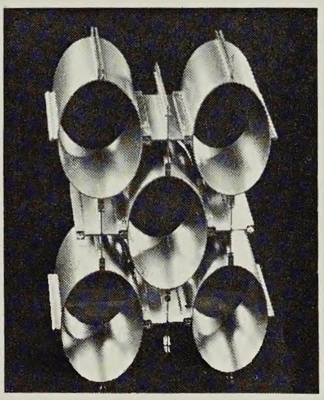
MI 601 & 303



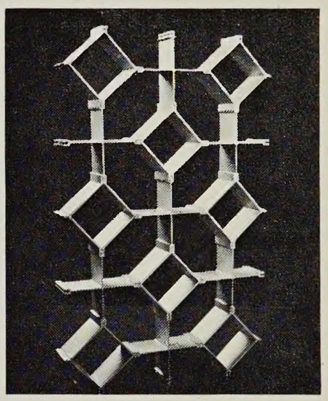
MI 601 & 602



MI 401 & 303



MI 601 (45°) & 303 (45°)



MI 602 & 603

ARDEC SCREEN SYSTEM MI SERIES

GENERAL DESCRIPTION

A system of modular interlocking aluminum extruded sections on a 6″, 4″ and 3″ centerline module, press-locked together to form panels surrounded by a framing member, attached to an existing structure by clips and girts.

VARIATIONS (SEE DRAWING)

Any one or any combination of the six basic sections can be arranged in a pattern as the architect specifies. Other shapes can be supplied as necessary.

Section arrangement to be (Sketch of sections required should be sent to AMCOA):.........................
....
Overall width..
Overall height.......................................
Section depth to be (1″, 2″, 3″)........................
Section angle to be (15°, 30°, 45°) (if desired)..........
Finish to be...
Color...

LIMITATIONS

The panel sizes are limited only by the maximum size that can be shipped by common carrier. Job site assembly is possible for larger panels. For 1″ depth section one dimension of panel should be a maximum of 2′.

SPECIFICATIONS

GENERAL
Facade to be MI series as manufactured by Architectural Manufacturing Company of America, Atlanta, Georgia. Screen shall be of arrangement, depth, and angle as shown on drawings.

SCREEN
Screen panels shall be made of modular sections of extrusions interlocked together to form the patterns as shown. Sections shall be permanently clamped together at each interlock joint. Material shall be of 6063-T5 aluminum alloy having a minimum wall thickness of .094″.

FRAME
The sections after being press-locked together shall be framed with an extruded channel, having an inside opening of same depth as screen. Frame shall be of 6063-T5 aluminum alloy with a minimum wall thickness of .125″. Frame shall be fabricated as shown for attachment of clips.

FASTENERS
All fasteners to be aluminum, stainless steel, or other material that impedes corrosion.

FINISH
Available in anodized finishes or 11 baked enamel colors. Contact local sales office or factory for color and finish samples.

FABRICATION WORKMANSHIP

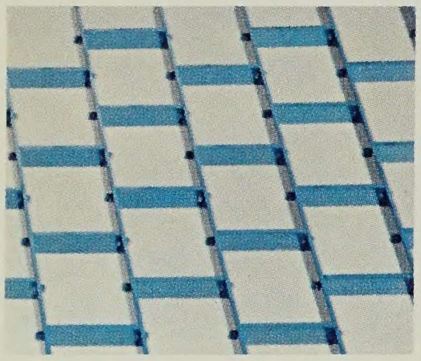
Work shall be fabricated in accordance with approved shop drawings. All aluminum materials shall be manufactured to standard manufacturing tolerances as to flatness, bow, twist, dimensions and sizes, etc., unless otherwise specified or shown on approved shop drawings.

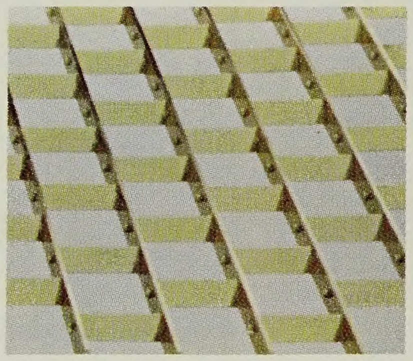
ARDEC SCREENS-GRILLES BG SYSTEM

GRILLES FOR DECORATION, PROTECTION & SCREENING

For modernization or new construction, exterior or interior applications, ARDEC anodized aluminum grilles are both functional and decorative. They offer protection as well as modern, decorative applications.

Cost ranges—economy to monumental applications (see page 12).

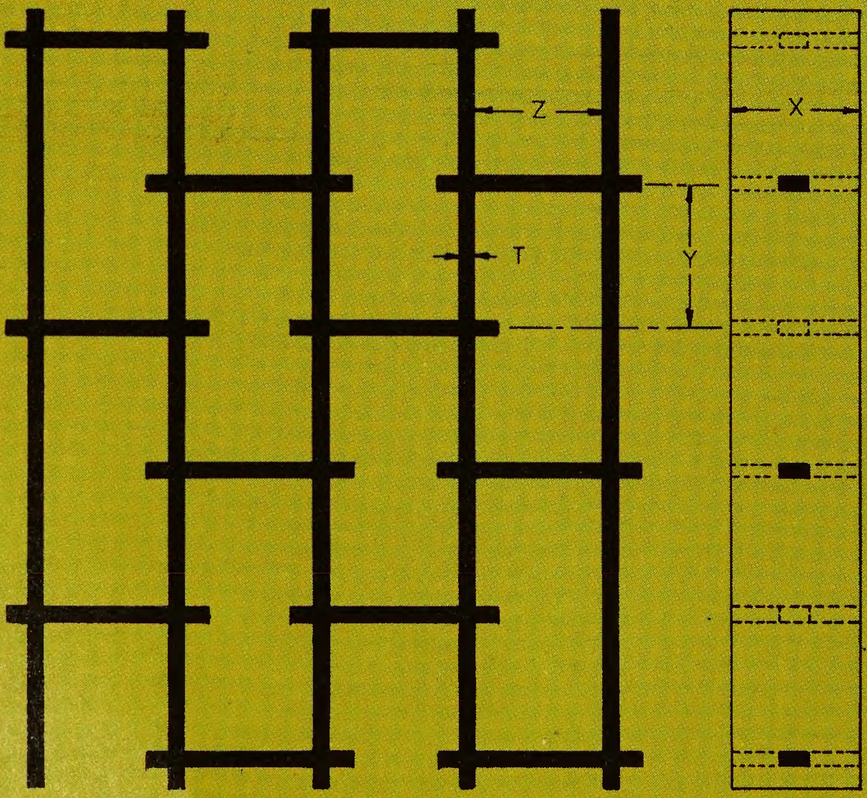




STATE NATIONAL BANK, Decatur, Alabama
Architect: H. Lloyd Hill, A.I.A., Atlanta, Georgia

The BG System as shown is located across the front of the first floor and is also used as the penthouse screen.

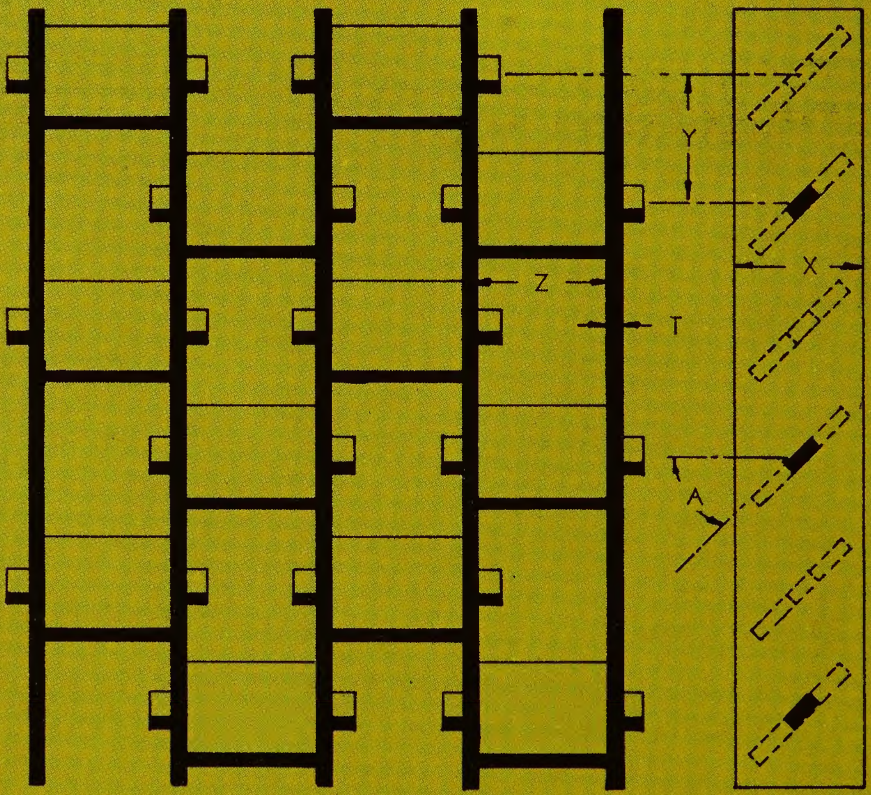
SYSTEM BG-100 A



STANDARD SIZES

X	7/8	1	1¼	
Y	1	2	3	4
Z	1	2	3	4
T	1/8	3/16		

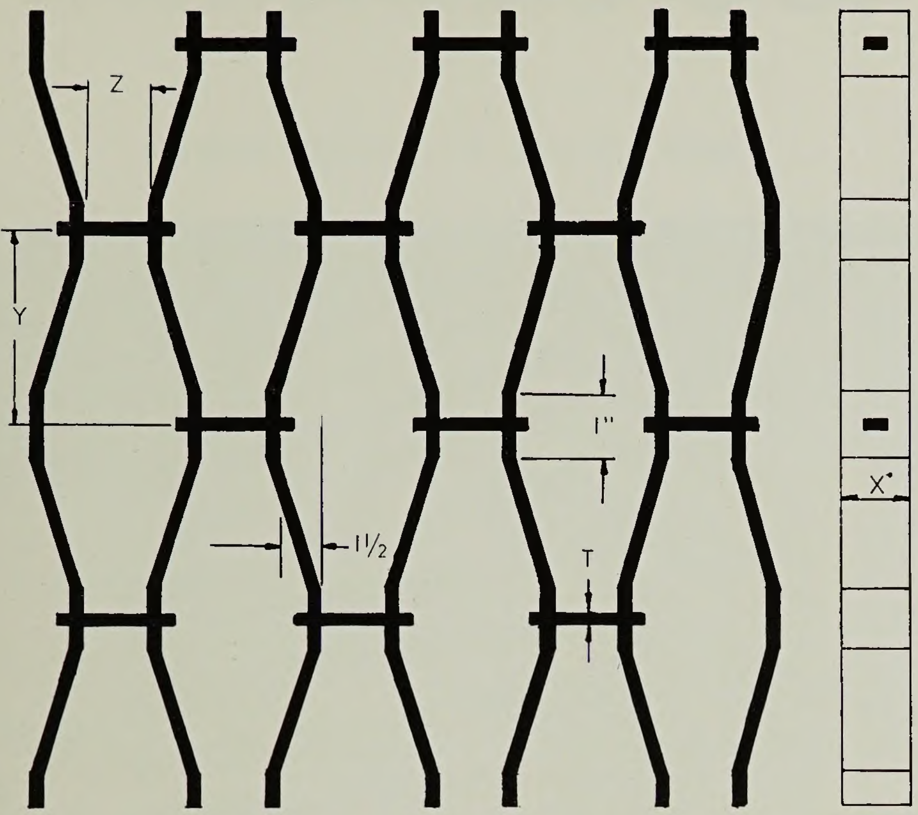
SYSTEM BG-100 B



STANDARD SIZES

X	7/8	1	1¼	
Y	1	2	3	4
Z	1	2	3	4
T	1/8	3/16		
A	15°	30°	45°	

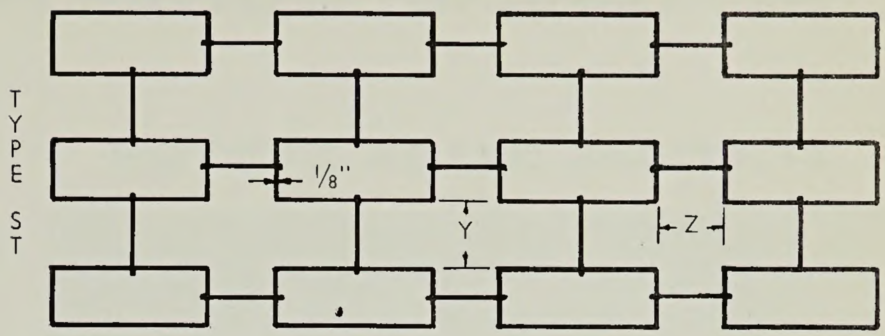
SYSTEM BG-200 A



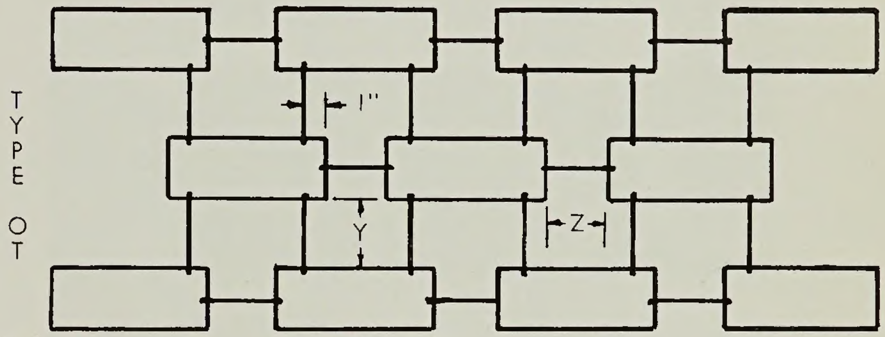
STANDARD SIZES

X	⅞	1	1¼	
Y	6			
Z	1	2	3	4
T	⅛	3/16		

SYSTEM BG-300 A



SYSTEM BG-300 B



X depth	1	2	3			
Y spacer	1	2	3	4		
Z** spacer	1	2	3	4		
Tube size	*1 x 1	*1½ x 1½	*2 x 2			
Tube size	*1 x 2	1 x 4	1¾ x 4	2 x 3	2 x 5	2 x 6

*Type ST only.

**Type OT spacer length varies to hold 1" side dimension.

UNLIMITED CREATIONS

The basic design of the BG System permits great flexibility beyond the standard designs shown. Spacers can be angled to any degree and may be of different depth from the other members. Also, the continuous or component members which are attached by the spacers may vary in their depth.

ARDEC SCREEN SYSTEM BG SERIES

GENERAL DESCRIPTION

A system of continuous 3/16" or ⅛" thick straight or formed bars or components placed either horizontally or vertically and separated by a series of spacer bars press-locked into place to form panels surrounded by a framing member, as required, attached to an existing structural system by clips and girts.

VARIATIONS (SEE DRAWING)

Type of system to be..................................
"X" Dimension to be..................................
"Y" Dimension to be..................................
"Z" Dimension to be..................................
"T" Special component..................................
Horizontally or vertically..................................
Overall width to be..................................
Overall height to be..................................
Finish to be..................................
Color..................................

LIMITATIONS

The panel sizes are limited only by the maximum size that can be shipped by common carrier. Job site assembly is possible for larger panels.

SPECIFICATIONS

GENERAL

Facade shall be BG series as manufactured by Architectural Manufacturing Company of America, Atlanta, Ga.

GRID FRAME

Panels to be framed with suitable channel, depending on the installation requirements. All framing channels to be of 6063-T5 aluminum alloy with a minimum wall thickness of .125".

PANEL

Panels shall be composed of straight or formed bars or component parts and spacers of the dimensions required, press-locked together to form panels of the required size.

FASTENERS

All fasteners shall be made of aluminum, stainless steel, or other material that impedes corrosion.

FINISH

Available in anodized finishes or 11 baked enamel colors. Contact local sales office or factory for color and finish samples.

FABRICATION WORKMANSHIP

Work shall be fabricated in accordance with approved shop drawings. All aluminum material shall be manufactured to standard manufacturing tolerance as to flatness, bow, twist, dimensions and sizes, etc., unless otherwise specified, or shown on approved shop drawings.

ARDEC SCREENS VS SYSTEM

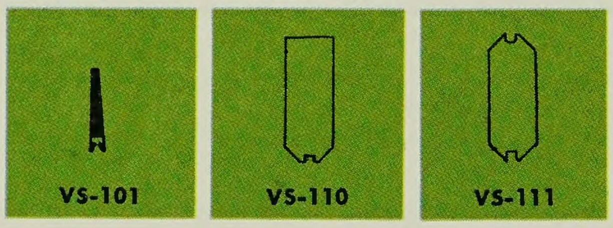
VERTICAL STACK SYSTEM

Sparkling facets of aluminum give the illusion of floating in air. These facets give maximum screening protection, yet admit a generous supply of air and reflected light.

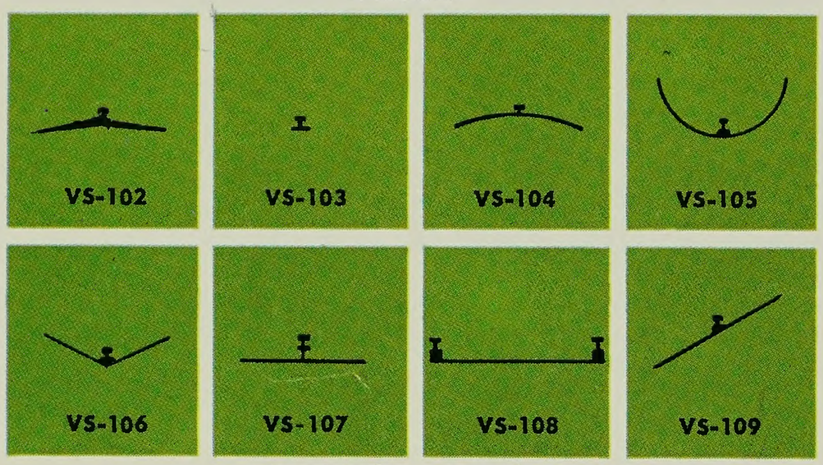
Cost ranges—economy to monumental applications (see page 12).

STANDARD COMPONENTS

STANDARDS



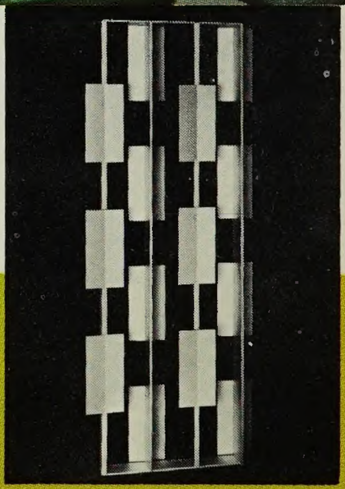
FACETS



Special shapes available.

TITLE BUILDING: Atlanta, Georgia
Architect: I. E. Saporta, A.I.A., Atlanta, Georgia

System VS shown here screens the first floor facade at street level.



ARDEC SCREEN SYSTEM VS SERIES

GENERAL DESCRIPTION

A system of continuous vertical standards with facets placed at intervals to form decorative arrangements. Horizontal placement of the standard may also be used.

VARIATIONS

Arrangement to be
(specify type of standard and facet to be used).........
....
Horizontal spacing of standards........................
Vertical spacing of facets.............................
Overall width..
Overall height...
Finish to be...
Color..

LIMITATIONS

The panel sizes are limited only by the maximum size that can be shipped by common carrier. Job site assembly is possible for larger panels.

SPECIFICATIONS

GENERAL

Facade to be VS Series as Manufactured by Architectural Manufacturing Company of America, Atlanta, Ga.

Screen shall be of arrangement and style as shown on drawings.

SCREEN

Standards shall be type (ARDEC No.....) 6063-T5 aluminum alloy with minimum wall thickness of .093.

Facets shall be type (ARDEC No.....) 6063-T5 aluminum alloy with minimum wall thickness of .125.

Facets shall mount to standards with an interlocking dovetail fit.

MOUNTING

(Designed for individual job applications).

FASTENERS

All fasteners shall be made of aluminum, stainless steel, or other material that impedes corrosion.

FINISH

Available in anodized finishes or 11 baked enamel colors. Contact local sales office or factory for color and finish samples.

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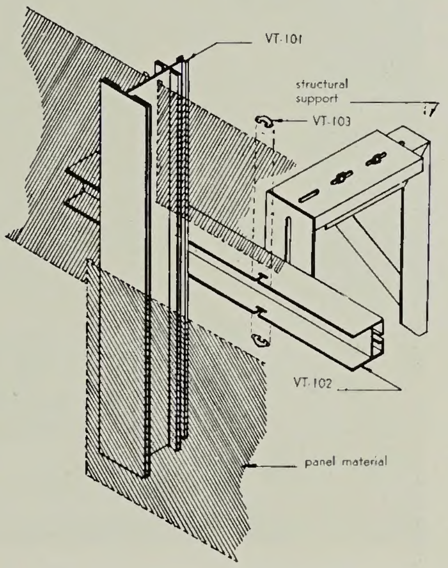
ARDEC SCREENS VT SYSTEM

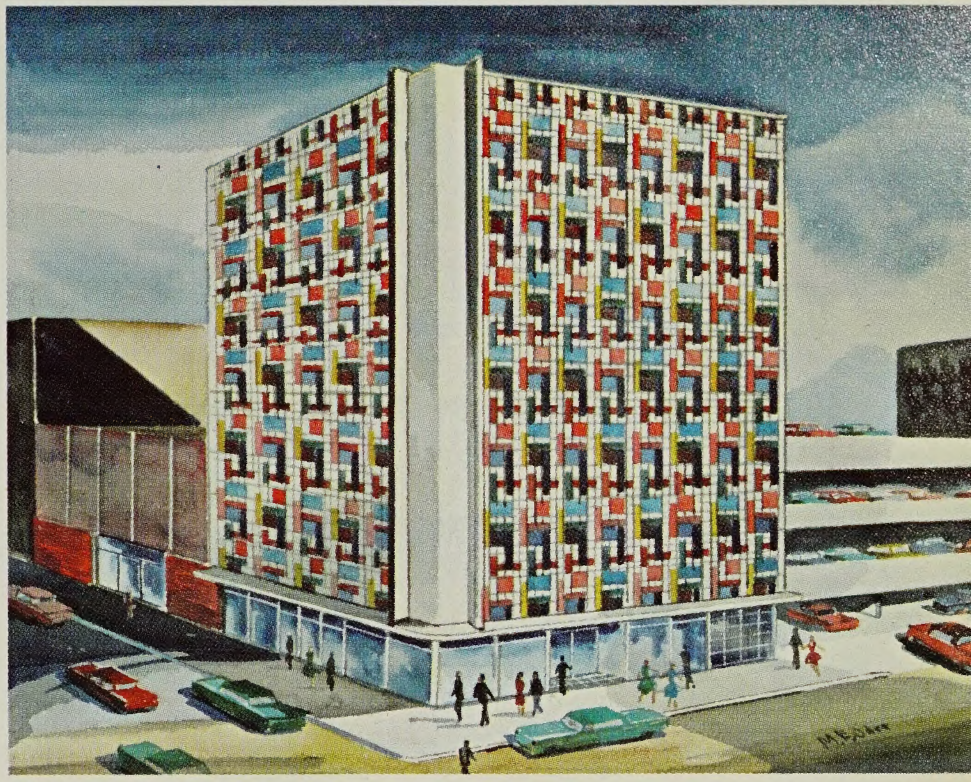
VERTICAL T SYSTEM

A system designed specifically for multi-story applications where the economies of factory prefabricated panels combined with simplified erection techniques provide the architect a new tool for decorative facades and remodeling work.

Any of the decorative or solar screening materials shown under the other systems can be used in the VT System. Each prefabricated panel is designed to incorporate an expansion joint where two panels are joined together.

Cost ranges — economy to monumental applications. (see page 12).





System VT illustrated above is a mondrian multi-colored arrangement covering the entire building above the first floor.

ARDEC SCREEN SYSTEM VT SERIES

GENERAL DESCRIPTION

A system of shop fabricated panels combined with an adjustable bracketing member for application of decorative and screening panels to exterior of buildings.

VARIATIONS (SEE DRAWING)

Type of panel material ....
Area to be covered ....
Projection of panels from face of building ....
Finish ....
Color ....
Bracket loads other than screen weight ....

LIMITATIONS

Applicable limitations to the selected materials. See other sections of catalog. The panel sizes are limited only by the maximum size that can be shipped by common carrier. Job site assembly is possible for larger panels.

SPECIFICATIONS

GENERAL

The facade to be VT System incorporating .... screening system as manufactured by Architectural Manufacturing Company of America, Atlanta, Ga.

SCREEN

(Use appropriate description of decorative and/or solar screening materials to be incorporated.)

FRAMING

Panels shall be framed with horizontal and vertical framing members permitting bolting of large panel sections to bracketing devices and providing expansion joints in every vertical member where two panels are joined together.

BRACKETING

Brackets shall be welded steel with adjustable top slide to permit alignment from face of building and incorporating slotted face plate attachment for vertical adjustment. All steel members shall receive protective corrosion resistant coating. Neoprene pads shall be used to separate dissimilar metal.

FASTENERS

All fasteners to be aluminum, stainless steel, or other material that impedes corrosion.

FINISH

Available in anodized finishes or 11 baked enamel colors. Contact local sales office or factory for color and finish samples.

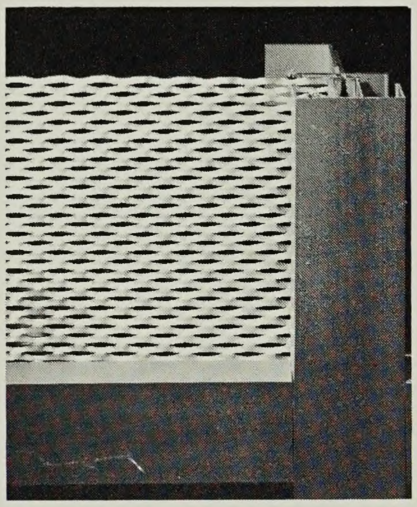
ARDEC GF SYSTEM • FACADES

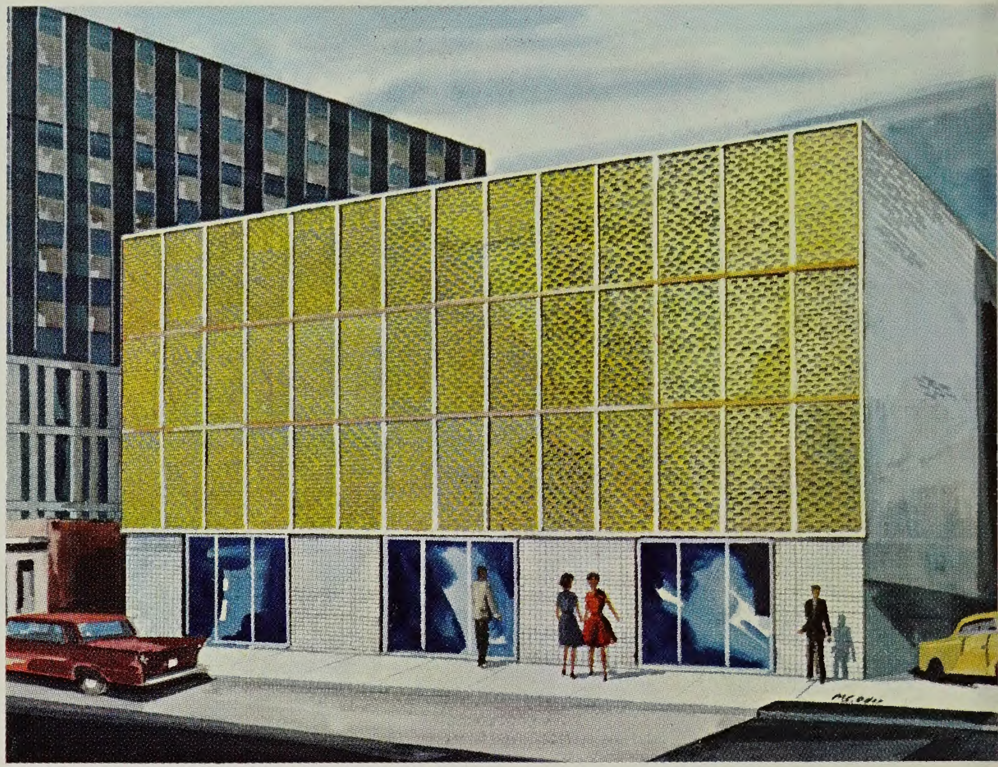
MODERNIZING THE OLD

BEAUTIFYING THE NEW

Glistening grids of expanded aluminum mesh, solid formed sheets, or opened formed sheets are easily and economically applied to form Amcoa's low cost facing system. Simplicity of design and erection make this ideally suited for urban renewal projects. For modern buildings where large areas of glass are a heat and glare problem, this system functions as a true sun control with both texture and color to compliment the existing facade.

Cost ranges—economy to moderate applications (see page 12).





ELECTRONIC TABULATING BUILDING: Atlanta, Georgia
Architect: Charles M. Johnson, Atlanta, Georgia
System GF is used in remodeling of small office building.

ARDEC SCREEN SYSTEM GF SERIES

GENERAL DESCRIPTION

A grid of aluminum extrusions with snap-on covers, attached to existing structure by clips and girts. Structural glass, expanded aluminum mesh sheets, or solid facing materials, as required, or desired, are applied to this grid. The snap-on cover allows a finish face free of exposed fasteners.

VARIATIONS (SEE DRAWING)

"X" Dimension Horizontal spacing of panels to be........
....

"Y" Dimension Vertical spacing of panels to be..........
....

Overall width of facade section to be approximately......
....

Overall height of facade section to be approximately......
....

Panel material to be (pick one or insert specification of other material).....................................

Finish to be...

LIMITATIONS

The panel sizes are limited only by the manufacturing limitations of the materials to be applied. Usually this maximum size is 4' x 8'.

SPECIFICATIONS

GENERAL

Facade to be GF series as manufactured by Architectural Manufacturing Company of America, Atlanta, Ga.

GRID FRAME

Basic frame member of snap-on cover to be of 6063-T5 aluminum alloy. Minimum wall thickness of basic frame member to be .125". Minimum wall thickness of snap-on cover to be .062".

PANEL MATERIAL

(Insert description of material to be used.)

FASTENERS

All fasteners to be aluminum, stainless steel, or other materials that impede corrosion.

FINISH

Available in anodized finishes or the baked enamel colors shown above.

FABRICATION WORKMANSHIP

Work shall be fabricated in accordance with approved shop drawings. All aluminum materials shall be manufactured and fabricated to standard manufacturing tolerances as to flatness, bow, twist, dimension, sizes, etc., unless otherwise specified or shown on approved shop drawings.

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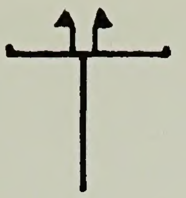
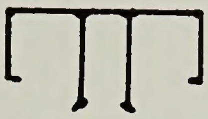
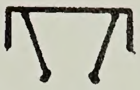


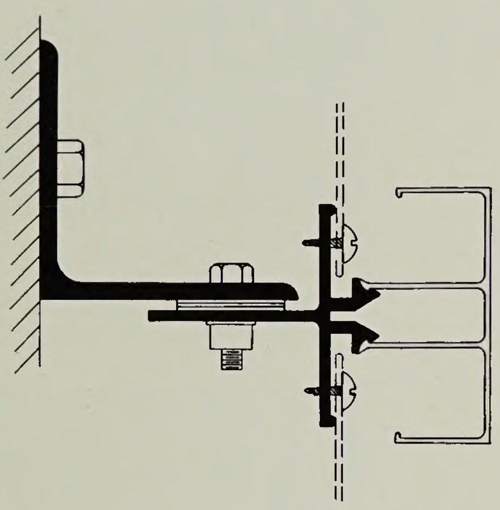
GF-101 "T" Frame

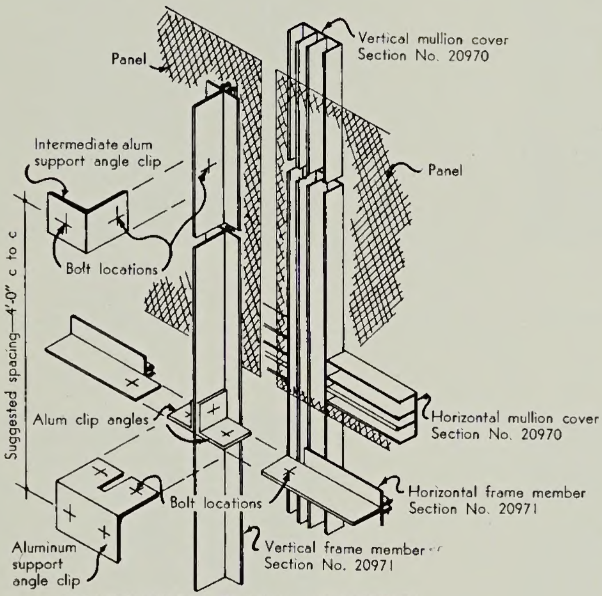


GF-102 3" Mullion Cover

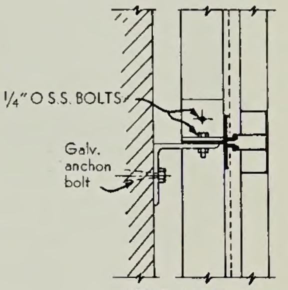


GF-103 1⅞" Mullion Cover




Panel
Vertical mullion cover Section No. 20970
Intermediate alum support angle clip
Panel
Bolt locations
Suggested spacing—4'-0" c to c
Alum clip angles
Horizontal mullion cover Section No. 20970
Horizontal frame member Section No. 20971
Bolt locations
Vertical frame member Section No. 20971
Aluminum support angle clip

EXPLODED VIEW OF FRAMING AND SUPPORTS



DETAIL OF JOINT AT JUNCTION OF FRAME

CONSTRUCTION DETAILS

Superior framing system with fewer fastenings and simplest erecting possible. Lightweight extrusions are anchored to existing structure with clips and girts. Aluminum mesh or solid facing materials are applied to grid with self-tapping screws. Snap-on mullion covers finish job, leaving no exposed fastenings.

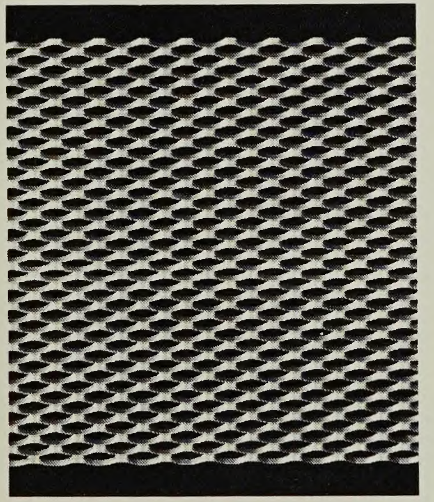
SIMPLIFIED SPACING

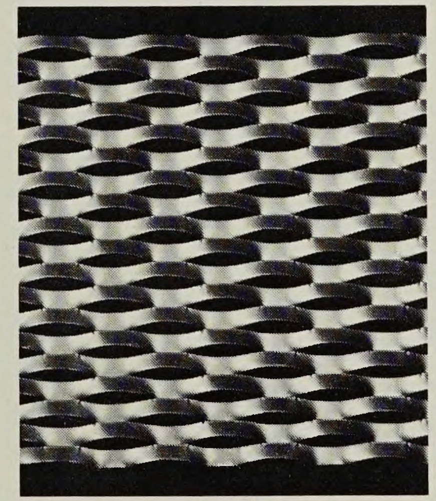
Spacing of support angles should be a maximum of 4′ center to center, horizontally and vertically. Possibilities of design requirements beyond given limitations are subject to special inquiry.

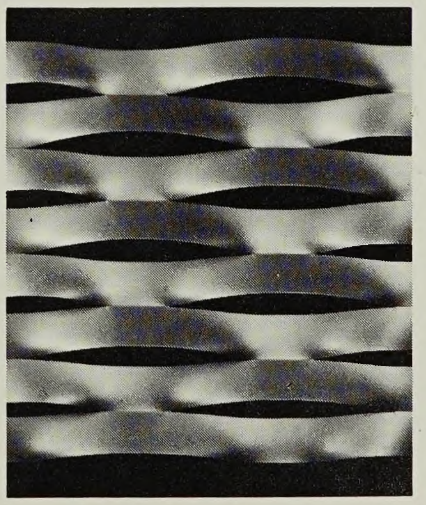
ARDEC DECORATIVE FORMED ALUMINUM SHEETS

CHOOSE FROM A VARIETY OF MATERIALS AND COLORS IN DECORATIVE FORMED SHEETS

The following pages show many of the proven decorative sheet materials successfully used with the VT and GF Systems. This material is maintained in inventory by AMCOA.



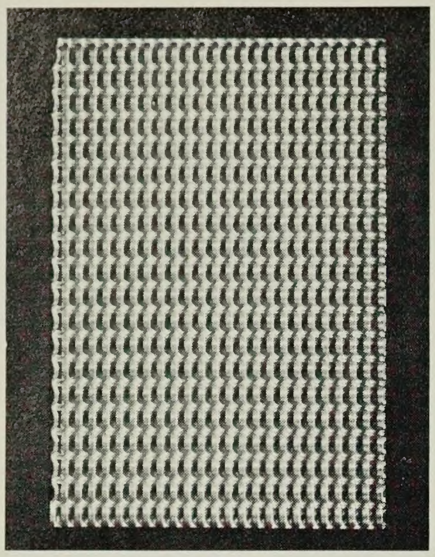




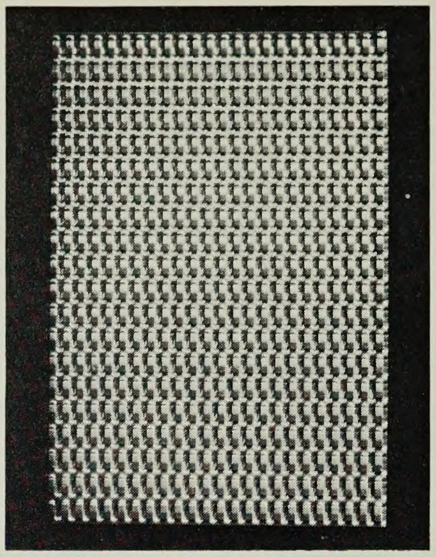
DECORMESH

Style Designation	**NP-050** ½″ .051	**NP-150** 1½″ .051	**NP-400** 4″ .081
Std. sheet size	4′ x 8′	4′ x 8′	48 x 8′
% of open area	34%	21%	20%

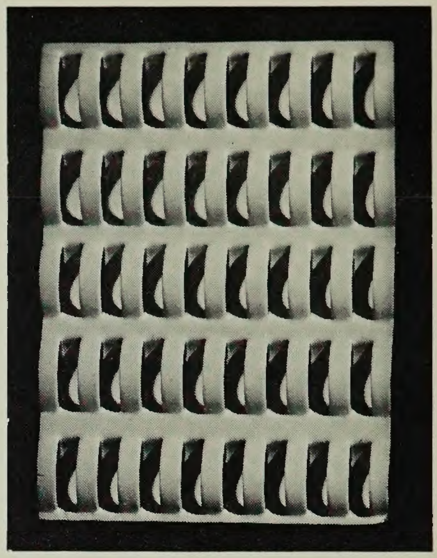
Additional decorative materials on page 10



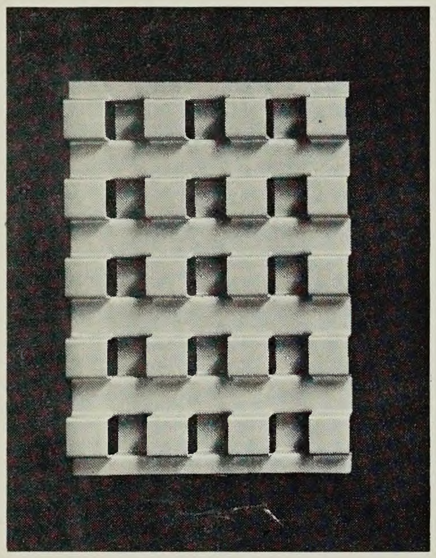
REGENT
Std. size 48″ x 96″
Formed sheet thickness 3/8″



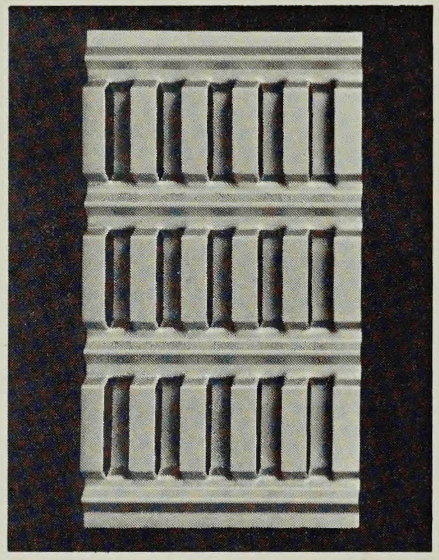
BAGUETTE
Std. size 48″ x 96″
C. C. perforations 7/16″



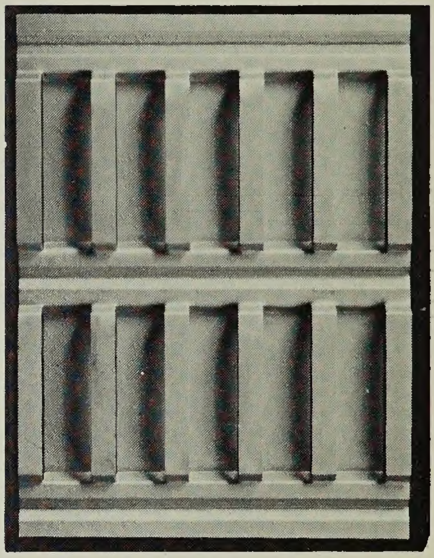
MONARCH
Std. size 48″ x 96″
C. C. perforations 1 3/4″
Formed sheet thickness 3/4″



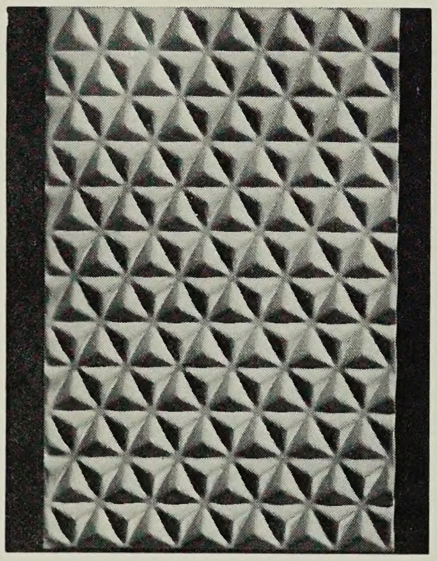
DORIC
Std. size 48″ x 96″
C. C. perforations 2″
Formed sheet thickness 1″



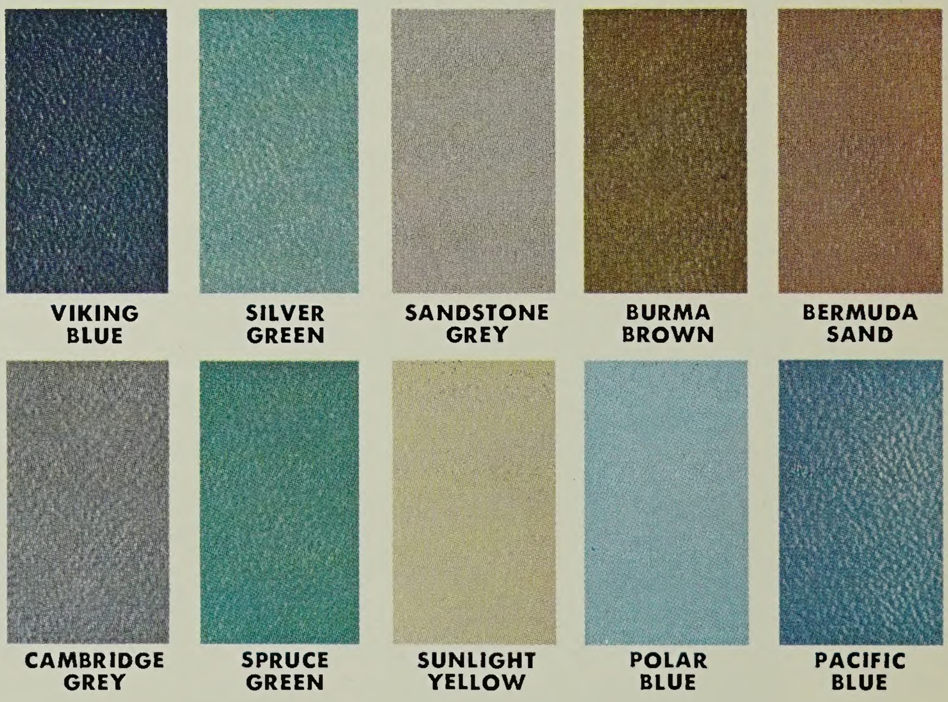
OFFSET NO. 1
Std. size 48″ x 96″
C. C. perforations 4 1/2″
Formed sheet thickness 1″



OFFSET NO. 2
Std. size 48″ x 96″
C. C. perforation 7 1/4″
Formed sheet thickness 1″



EGYPTIAN
Std. size 48″ x 96″
Formed sheet thickness 5/32″

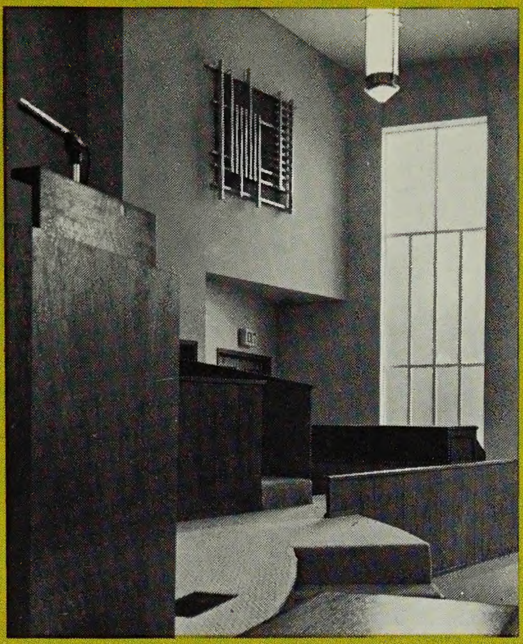


Permalure Paint Colors

All decorative sheet materials shown with short dimension horizontal and long dimension vertical.
Special sizes and arrangements available.

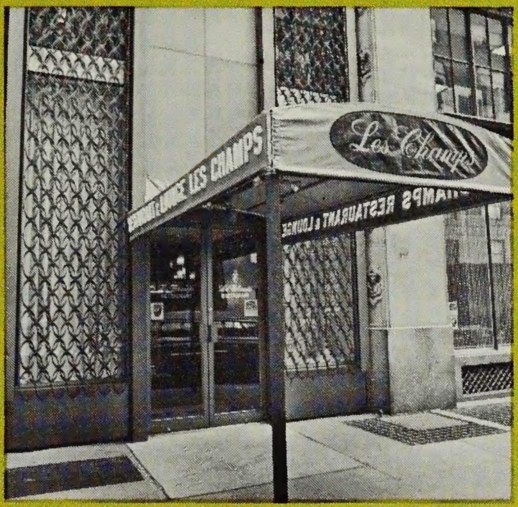
AVERY
CLASSICS
AT
265
Ar2
1962

6e
Ar



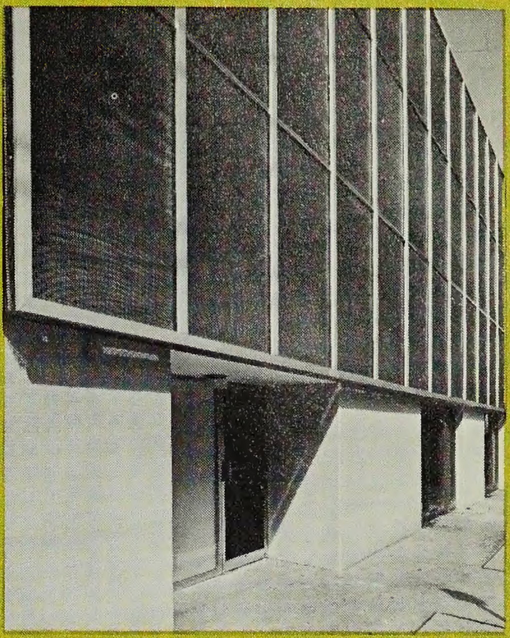
SPECIAL FABRICATION

BEN HILL BAPTIST CHURCH
Ben Hill, Ga.
Architects: Danielson & Paine
Atlanta, Ga.



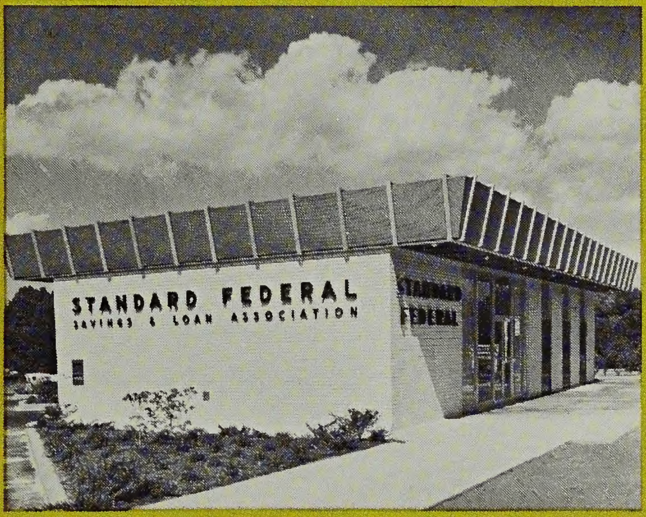
MI-100 SYSTEM

LES CHAMPS RESTAURANT
New York, N. Y.
Architects: John LoPinto & Assoc.
New York, N. Y.



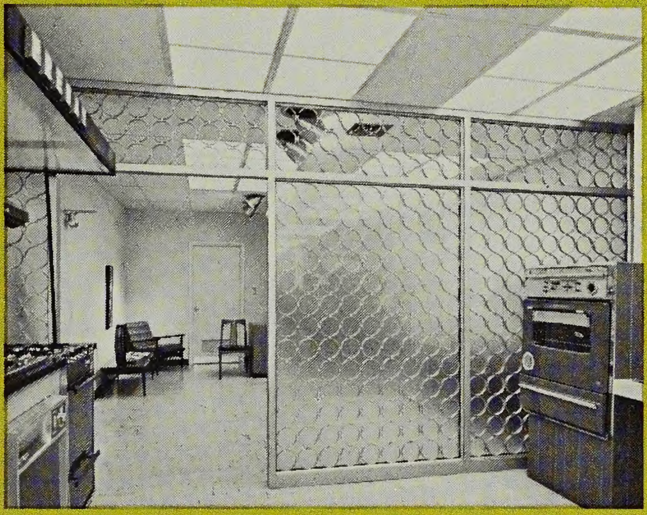
GF SYSTEM

300 IVY STREET BUILDING
Atlanta, Ga.
Architect: Charles M. Johnston
Atlanta, Ga.



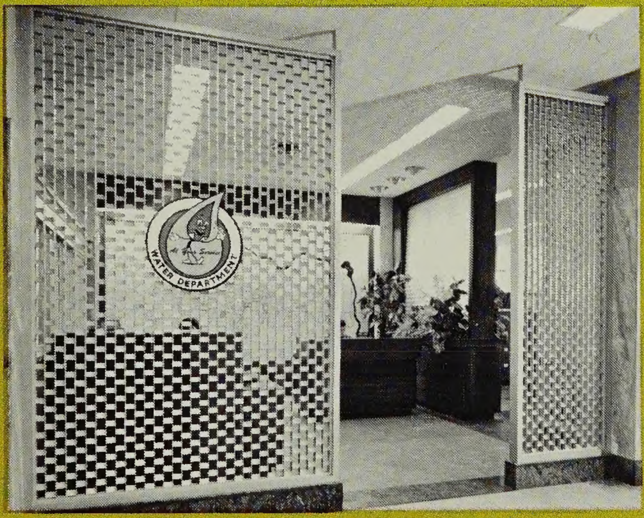
GF SYSTEM, EGYPTIAN SHEET

STANDARD FEDERAL
SAVINGS & LOAN ASSN.
Atlanta, Ga.
Architect: Henry H. Jordan
Atlanta, Ga.



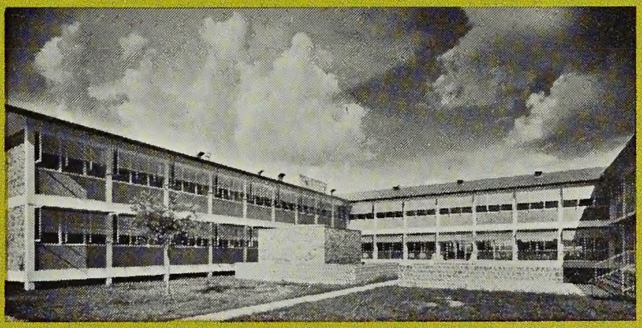
MI SYSTEM, ROOM DIVIDER

ATLANTA GAS LIGHT CO.
Atlanta, Ga.



BG SYSTEM, SPACE DIVIDER

ATLANTA CITY HALL
Atlanta, Ga.
Architect: William R. Wofford



SUN SHADE

F. T. NICHOLS STATE COLLEGE
Thibodaux, La.
Architects: Barron, Heinberg & Brocato
Alexandria, La.

We would like to emphasize that the materials and systems as shown in this catalog are only a small portion of the architectural specialty products that have been manufactured by AMCOA. Designs expressing the individuality of your structures are encouraged by AMCOA.

COST RANGES

We have attempted to give you an idea of cost on the various systems which we manufacture. As you undoubtedly realize, there are a great number of variables in calculating the actual cost for a specific application. These variables would include framing, bracketing and support members, and finish.

For a general guide, though, the minimum delivered cost on economy type systems would be $2.00 per square foot up to $4.00 per square foot. We range up to the moderate price units of $4.00 to $7.00 per square foot. The monumental type system ranges from $7.00 to $12.00 per square foot. Special design screens could, of course, exceed this amount.

Amcoa materials are designed to be fabricated and assembled to the point where on-site erection costs are held to a minimum. Our experience has been that installation costs are usually less than 15% of the delivered material cost.

Our engineering staff is available to give you accurate budget pricing information on any of your applications.

TECHNICAL SERVICE

Architectural Manufacturing Company of America maintains a coast-to-coast network of distributors and representatives who offer immediate and convenient service backed by a field force of factory engineers to assist in planning for your requirements. Inquiries related to special applications of the materials shown or other architectural specialty applications of aluminum are welcomed. Details will be furnished for your approval upon request.

MANUFACTURING FACILITIES

Many years of experience in production and specialty work with aluminum has provided an experienced staff and complete fabrication facilities. AMCOA is licensed to produce Alcoa Architectural Alumilite finishes.

DEPENDABILITY-SERVICE-QUALITY

Of ranking importance with the product is the nature of the supplier. ARDEC Architectural products are supplied exclusively by AMCOA, Architectural Manufacturing Company of America, a division of Shower Door Company of America, the world's largest manufacturer of top quality shower enclosures and sliding glass doors. A coast-to-coast network of distributors and representatives offer immediate and convenient service, backed by a field force of factory engineers. Architectural Manufacturing Company of America is a highly reputable manufacturer and produces products of the highest standards—while remaining competitively priced. Its outstanding reputation for quality is backed by the thoroughness of skilled craftsmen and long experience in the manufacturing of architectural building facing materials.

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